

Figure 1

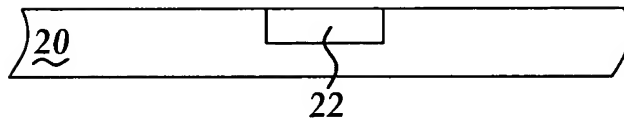


Figure 2

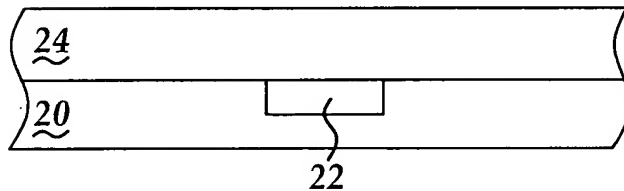


Figure 3

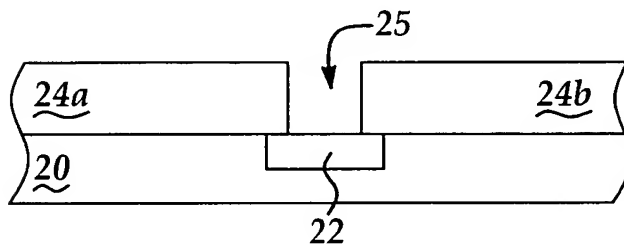


Figure 4

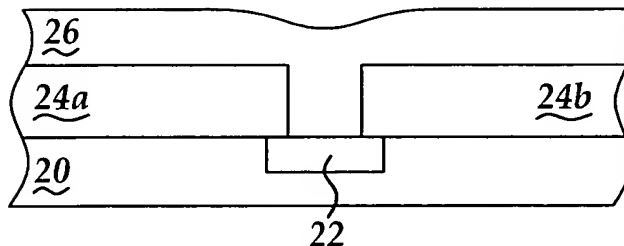


Figure 5

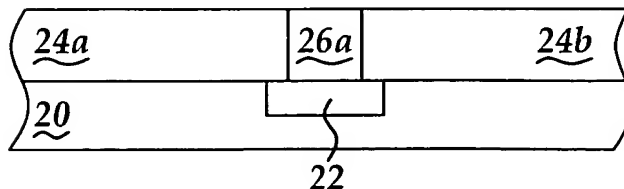


Figure 6

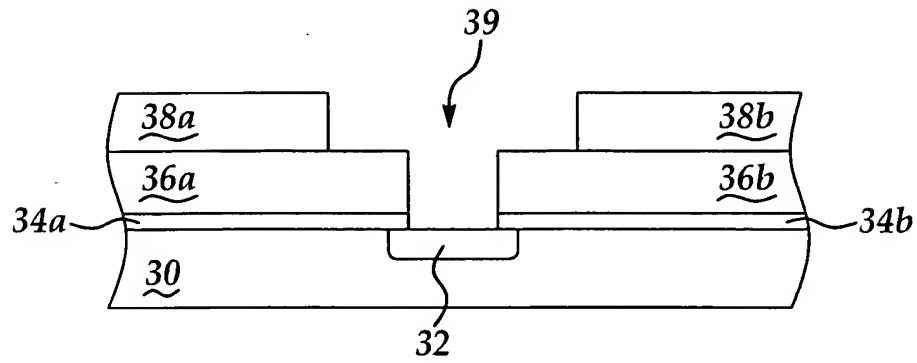


Figure 7

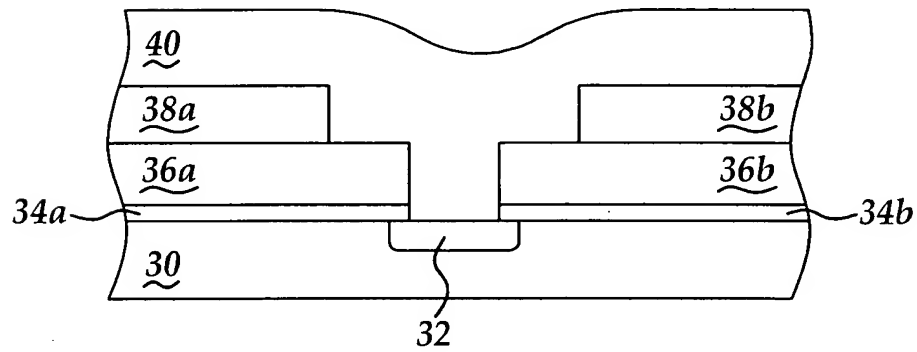


Figure 8

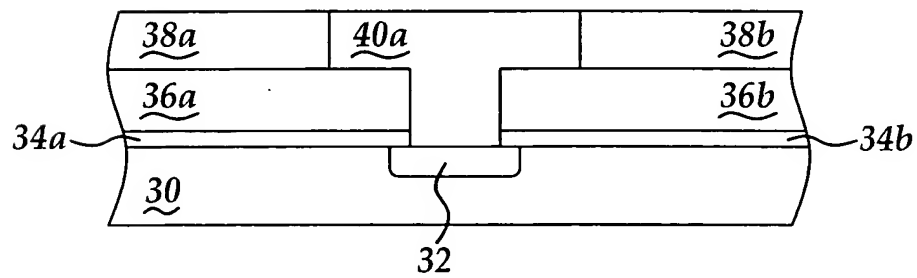


Figure 9

Film Quality	C & F Doped Film	C Only Doped Film
R1(248nm)	1.5173	1.4638
R1(633nm)	1.4458	1.4049
Density	1.64	1.55
Dry Etch Rate (Main/Over Etch)	2654A/min	2780A/min
Surface Charge	1.18V	1.6TV
Leakage Current (E=2MTfcm)	4E-10A/cm2	5E-8A/CM2
Hg-K value	3.07-3.15	3.28-3.30
Stress	2.21 E+08	5.30E+08
Stress Hystersis	6.20 E+07	1.45E+08
Hardness	2.12GPa	1.78

Figure 10

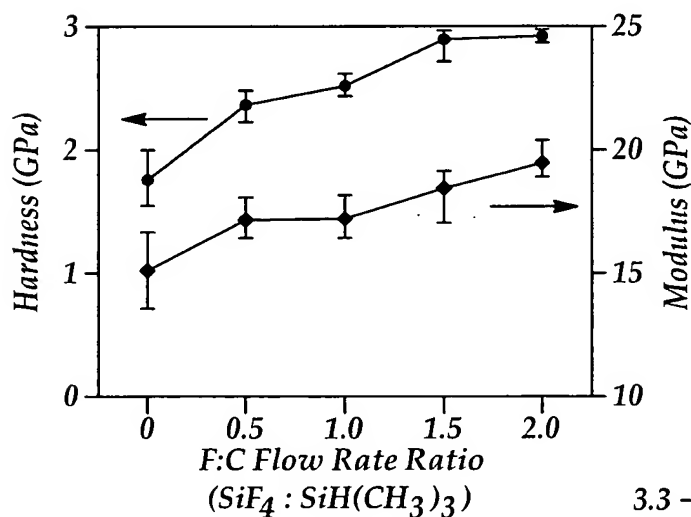


Figure 11

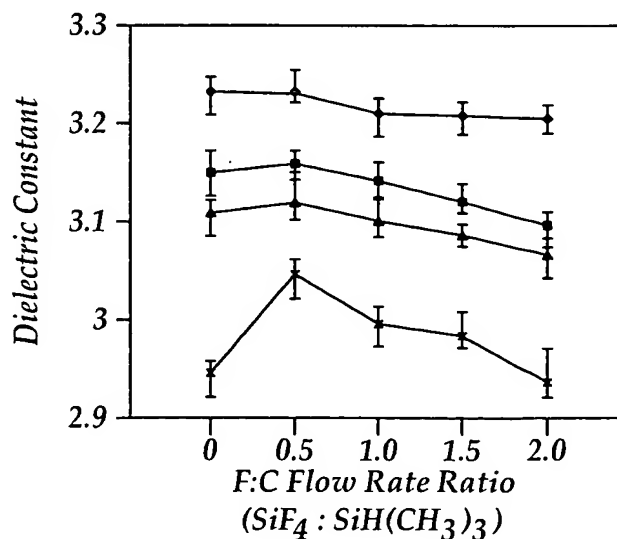


Figure 12